Section A-A
SCALE FULL SIZE

-15 (REF) · -17 (REF) · -11 (REF) · -12 (REF) · AN4-16 · OUTBOARD BOMB RACK · INBOARD BOMB RACK

Detail "C"
SHOWING PULLEY CUTOUT, ETC. SCALE FULL SIZE

1 1/4 DIA. HOLE

Detail "E" (C7)
SCALE FULL SIZE

Section B-B
SCALE: FULL SIZE (B4, B6)

-8 (REF)

Detail "D" (D6)
SHOWING PULLEY CUTOUT ETC. SCALE FULL SIZE

FILE IF NECESSARY TO CLEAR PULLEY · AN442D8

ANGLE - L.H. OUTBOARD (15) · R.H. OPPOSITE (16) · AL ALLOY 24ST 1X1X1/16 ANGLE ALCOA DIE K-78F

Plan View
(HOIST ATTACHMENT NOT SHOWN) SCALE 1/2 SIZE

JIG DRILL 9/64 DIA - 26 HOLES TO MATCH CORRESPONDING HOLES IN 28A3005 (BSK)

ANGLE L.H. INBOARD (17) · R.H. OPPOSITE (18) · AL. ALLOY 24ST 1X1X1/16 ALCOA DIE K-78F

AN 3-4 BOLT · AN 320-3 NUT · AN 380-2-2 COTTER

REF. DETAIL "C" FOR PULLEY CUTOUT IN WEB

28A3005-6 · 28A3005-3 · AN 165-83 · 1 1/4 DIA. HOLE

28A2016-2 EXTENSION · AN3-6 BOLT · AN 320-3 NUT · AN 380-2-2 COTTER · G612D6-6.5 SPACER

-20 (FOR PBY-3 ONLY AT THIS LOCATION)

SOLENOID ANCHOR (GOVT FURN) #1231-E (FAIRCHILD AERIAL CAMERA CORP)

AN 4-12 BOLT · AN 380-2-2 COTTER · G7102A4A WASHER · AN 310-4 NUT

NOTE: ADJUST SOLENOID CLEVIS SCREW TO SUIT CABLE AFTER INSTALLATION. LOCK IN PLACE WITH CHECK NUT.

28A3005-3 CABLE ASSY · AN 155-83 BARREL

BULKHEAD L.H. (27) · R.H. OPPOSITE (28) · .064 ALC. 24SO H.T. COND. T PER SPEC SR-53

BULKHEAD (23) · BULKHEAD (24) · .064 ALCLAD 24SO HEAT TREAT COND. T PER SPEC SR-53

28A3005-5 CABLE ASSY · 28A3005-2 CABLE ASSY

BULKHEAD L.H. (25) · R.H. OPPOSITE (26) · .064 ALCLAD 24SO H.T. TO COND. T PER SPEC SR-53

CHANNEL (20) · .040 ALCLAD 24ST (2 REQD/RACK) SEE DETAIL "E" (C6)

28A3006 ANGLE (2 REQD) · AN 210-2A PULLEY (GOVT) · AN 3-6 BOLT · AN 310-3 NUT · AN 380-2-2 COTTER · G7102A10 WASHER — 2 PLACES

28A3004 BRACKET · 28A3004-1 BRACKET · AN 210-2A PULLEY · AN 3-6 BOLT · AN 310-3 NUT · AN 380-2-2 COTTER · G7102A10 WASHER — LIGHT DUTY, 2 PLACES

AN 4-15 BOLT · AN 310-4 NUT · AN 380-2-2 COTTER · AN 960-416 WASHER (7 PLACES)

28A3005-4 · 28A3005-2

AN 23-11 BOLT · AN 320-3 NUT · AN 380-2-2 COTTER

AN 26-24 BOLT · AN 76-17 BOLT · AN 320-6 NUT · AN 380-2-2 COTTER · AN 960-616 WASHER (1 PLACE ONLY)

28A3020-3 SPACER · AN 76-17 BOLT · AN 335B9010 L'WASH · 28A3010 NUT PLATE — 4 PLACES

FINISH CODE: Z ANODIC TREATMENT · P P-27 PRIMER · AP ALUMINIZED PRIMER · C CADMIUM PLATE

Front View
(RELEASE PULLEYS & CABLES NOT SHOWN) SCALE 1/2 SIZE

JOGGLE PARTS -17 & -18 AS SHOWN

NOTE:- JOGGLING IS ON INBOARD FRONT CORNER ONLY

JOGGLE PARTS -25, -26, -27, -28 ALONG THIS LINE 1/16 AS SHOWN

ANGLE - 24ST 3/4 X 3/4 X 1/16 ALCOA DIE K78C (4 REQD/RACK) (NOT USED ON -30 & -31) (SEE SHEET #2)

BOMB RACK MK.XXIV-MOD.2 OR MK.XXIV-MOD.8 B.O. #60378 GOVT. FURNISHED

FRONT SPAR (REF) · CENTER SECTION CHORD LINE (REF) · -16 (REF) · 28F2114 · 23A016 · 23A025 · 23A013

STRIP (5) .064 ALCLAD 24ST 2 7/8 APPROX.

PLATE - SPACER (22) .031 ALCLAD 24ST 1" WIDE X 6 1/2 LONG (4 REQD/RACK)

AN425-D4 FLUSH RIVET HEADS ON THIS FACE OF BLOCK

SNUBBING BLOCK (10) 1/4 PLATE ALUM ALLOY 17ST (4 REQD/RACK)

PLATE - .031 ALUM ALLOY 24ST (2 REQD/RACK) ON EDGE OF RACK ONLY (21)

BOMB RACK · BOMB RACK

NOTE - USE 23 RIVETS EACH SIDE. MIN. DISTANCE FROM E. RIVETS TO E. HOLES IN TOP FLANGE TO BE 9/16

28A3003-12 · 28A3003-4 CABLE ASSY · DRILL 9/64 DIA 2 HOLES OUTBOARD ONLY

WEB - OUTBOARD L.H. (11) · WEB - INBOARD L.H. (12) · WEB - OUTBOARD R.H. (13) · WEB - INBOARD R.H. (14)

.031 ALCLAD 24ST

NOTE:- PARTS -11 TO -14 INC. ARE IDENTICAL IN FLAT PATTERN OUTLINE.

General Notes:-
1. ALL RIVETS ARE AN442-D4 UNLESS OTHERWISE SPECIFIED
2. MINIMUM EDGE DISTANCE OF RIVET 5/16
3. MATERIAL SPECS.-
   ALCLAD SHEET 24S SPEC. 47A0
   AL ALLOY EXTRUSION 24ST SPEC. 4GA9
   AL. ALLOY SHEET 17ST SPEC 47A3; AL. ALLOY SHT. 24ST SPEC 47A0 COND. T
4. FINISH
   ALL DASH NO. Z-P AND AP AFTER RIVETING
5. AT TURNBUCKLES & SOLENOIDS THE FITTINGS MUST HAVE A MINIMUM OF 1/2 OF THREADS ENGAGED IN THE TURNBUCKLE BARREL.

REMOVE REWIND CRANK B.O. 160380-6 AND CLEVIS PINS RETURN TO NAVY STOCK

AN 165-83 - EYE

FORM TOP SURFACES OF RACK TO SUIT CONTOUR OF LOWER SURFACE OF WING CENTER SECTION.

28A2016-2 EXTENSION · AN 3-6 BOLT · AN 320-3 NUT · AN 380-2-2 COTTER

SEE DETAIL "C" FOR PULLEY CUTOUT ETC. · AN 155-8 BARREL

LEAVE OUT RIVETS ON -30 & -31 (SEE SHEET #2 (FOR -8))

G612D6-6.5 SPACER · 28A3003-2 · 28A3005-6 · AN 442D8 (12 REQD/RACK)

SEE DETAIL "D" FOR PULLEY CUTOUT ETC. (C1)

LOCATE BOLTS TO SUIT BOMB RACK

28A3010 (DSP) INSULATE WITH MARINE GLUE & FABRIC

28A3007 SPRING · 28F2117 LOCK PIN · AN 515-6-8 SCREW · AN 340-6 NUT — 2 PLACES

L.H. Side View
SCALE 1/2 SIZE

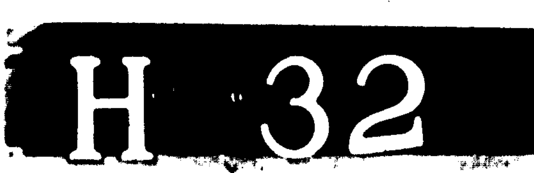
NOTE-
REMOVE B.O. 160373-6 FROM L.H. RACK
REMOVE B.O. 160373-11 FROM R.H. RACK
AND RETURN THESE PARTS TO NAVY STOCK
USE BOLTS, NUTS, SPACERS ETC. FURNISHED WITH RACKS FOR INSTALLATION OF 28A3006 & 28A3006-1
28A3006 OUTBOARD } BRACKETS
28A3006-1 INBOARD }
28F2114 PULLEY (2 REQD/RACK)
23A016 PULLEY (2 REQD/RACK)
23A013 BRACKET (2 REQD/RACK)
23A025 PIN (2 REQD/RACK) RIVET IN PLACE
AN 25-10 BOLT (4 REQD/RACK)
AN 320-5 NUT (4 REQD/RACK)
AN 960-516 WASHER (4 REQD/RACK)
AN 380-2-2 COTTER (12 REQD/RACK)

FOR SECURING ANCHOR CHAIN OF PIN TO RACK STAKE NUT TO LOCK

LIGHT DUTY

GOVERNMENT FURNISHED PARTS SEE BODY OF DRAWING FOR DETAILED DESCRIPTION

NOTE:- FOR DETAILS OF -30 & -31 ASSEMB. SEE SHT. 2



REPLACES	
REPLACED BY	
APPROVED	KCW
DATE	7-1-38
SCALE	NOTED
A C NAVY MATERIAL	NOTED
SPEC	NOTED
HEAT TREAT	NOTED
FINISH	NOTED
NAME	RACK ASSY MK.XIII TORP. - SHEET #1 of 2
DWG. SIZE	J
OPP. HAND	28A3002
DWG. NO.	28A3002

REQUIREMENTS PER AIRPLANE · MODEL: PBY-5, PBY-5, PBY-5, PBY-5A, PBY-4, PBY-4, PBY-3, PBY-3 · NEXT ASSY: 28A5002, 28A3001, 28A3001, 28A5002, 28A3001-2, 28A3001-2, 28A3001, 28A2001 · STD PARTS · MAT · PARTS LIST PER ASSY · PART NO. · LH RH REQ

[redacted]

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.